

Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-IU 3610	U.S. APPLICATION NO. 09/355,221 INTERNATIONAL APPLICATION NO. PCT/US98/01196
	APPLICANT: Barber et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	INTERNATIONAL FILING DATE: 21 January, 1998	GROUP: 1643 635

U. S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>SP</i>	5,254,678	10/19/93	Haseloff et al.	536	23.2	08/05/92
	5,270,163	12/14/93	Gold et al.	435	6	08/17/92
	5,354,855	10/11/94	Cech et al.	536	24.1	02/28/92
	5,496,698	03/05/96	Draper et al.	435	6	12/07/92
	5,567,588	10/22/96	Gold et al.	435	6	06/05/95
	5,574,143	11/12/96	Haselhoff et al.	536	23.2	02/08/94
	5,574,967	11/12/96	Dent et al.	455	12.1	01/11/94
	5,580,967	12/03/96	Joyce	536	23.2	05/13/94
	5,595,877	01/21/97	Gold et al.	435	6	05/16/95
	5,610,054	03/11/97	Draper	435	363	01/13/94
	5,637,459	06/10/97	Burke et al.	435	6	08/02/94
	5,670,637	09/23/97	Gold et al.	536	22.1	03/27/95
	5,683,867	11/04/97	Biesecker et al.	435	6	04/28/94
<i>SP</i>	5,688,935	11/18/97	Stephens et al.	536	23.1	05/03/95

EXAMINER <i>SP</i>	DATE CONSIDERED <i>1/10/05</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<i>Off</i>	5,696,249	12/9/97	Gold et al.	536 -	23.1	03/24/95
	5,705,337	01/06/98	Gold et al.	435	6	03/08/95
	5,712,375	01/27/98	Jensen et al.	530	412	05/03/95
	5,723,289	03/03/98	Eaton et al.	435	6	09/20/94
	5,723,592	03/03/98	Eaton et al.	536	23.1	06/05/95
	5,750,342	05/12/98	Stephens et al.	435	6	05/03/95
	5,763,177	06/09/98	Gold et al.	435	6	09/16/94
	5,763,566	06/09/98	Jensen et al.	530	350	05/03/95
	5,763,595	06/09/98	Gold et al.	536	22.1	06/05/95
	5,773,598	06/30/98	Burke et al.	536	23.1	06/05/95
	5,789,157	08/04/98	Jensen et al.	435	6	05/03/95
	5,789,160	08/04/98	Eaton et al.	435	6	06/05/95
	5,817,785	10/06/98	Gold et al.	536	23.1	11/13/96
	5,843,653	12/01/98	Gold et al.	435	6	06/06/95
<i>Off</i>	5,853,984	12/29/98	Davis et al.	435	6	06/07/95

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<i>PL</i>	5,858,660	01/12/99	Eaton et al.	435	6	03/20/96
<i>PL</i>	5,861,254	01/19/99	Schneider et al.	435	6	01/31/97
<i>PL</i>	5,864,026	01/26/99	Jensen et al.	536	23,1	05/03/95
<i>PL</i>	5,874,218	02/23/99	Drolet et al.	435	6	04/05/96

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EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
<i>PL</i>	WO 92/01806	02/06/92	PCT			
<i>PL</i>	WO 93/23569	11/25/93	PCT			
<i>PL</i>	WO 94/26877	11/25/94	PCT			
<i>PL</i>	WO 96/01314	01/18/96	PCT			

EXAMINER <i>Ron Dell</i>	DATE CONSIDERED <i>1/10/05</i>
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

<i>SJ</i>	Akhtar et al., "Molecular DIY with hairpins and hammerheads," <u>Nature Medicine</u> 1:300-302 (1995).
	Anderson et al., "Mutagenesis of the hairpin ribozyme," <u>Nucleic Acids Res.</u> 22:1096-1100 (1994).
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<i>SJ</i>	Campbell and Cech, "Identification of ribozymes within a ribozyme library that efficiently cleave a long substrate RNA," <u>RNA</u> 1:598-609 (1995).

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<i>Pf</i>	Cech and Bass, "Biological catalysis by RNA," <u>Ann.- Rev. Biochem</u> 55:599-629 (1986).
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<i>LJ</i>	Hampel et al., "Hairpin catalytic RNA model: evidence for helices and sequence requirement for substrate RNA," <u>Nucl. Acids Res.</u> 18:299-304 (1990).
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<i>SJ</i>	Yamada et al., "Intracellular immunization of human T cells with a hairpin ribozyme against human immunodeficiency virus type 1," <u>Gene Therapy</u> 1:38-45 (1994).
<i>SJ</i>	Yamada et al., "Activity and cleavage site specificity of anti-HIV-1 ribozyme in human T cells," <u>Virology</u> 205:121-126 (1994).
<i>SJ</i>	Yu et al., "A hairpin ribozyme inhibits expression of diverse strains of human immunodeficiency virus type 1," <u>Proc. Natl. Acad. Sci. USA</u> 90:6340-6344 (1993).
<i>SJ</i>	Yu et al., "Intracellular immunization of human fetal cord blood stem/progenitor cells with a ribozyme against human immunodeficiency virus type 1," <u>Proc. Natl. Acad. Sci. USA</u> 92:699-703 (1995).
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